

Why did middle Miocene magmatism in SW Japan occur ?

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Origin of the Setouchi volcanic rocks was reexamined to investigate origin of middle Miocene magmatism in SW Japan associated with opening of Japan Sea. As a result of the investigation, initiation of Shikoku basin subduction under SW Japan crust was not so effective for the origin of the magmatism, but mantle up-welling that caused opening of Japan Sea would be important for the origin.